72. Application System

Dr. Ruben Garcia Pedraza

Probabilidad Imposible: Application System

Imposiblenever@gmail.com

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The Application System according to the theory of Impossible Probability for the construction of the first model of Global Artificial Intelligence, corresponds to the third step within the third stage of decision or auto-replication in any kind of (global, specific, particular) intelligence working by deduction, what means, working by matching set of data and pure reasons, as mathematical equations stored in the pure reason, for the formation of rational hypothesis able to explain and model the world for the making decision process, to better and improve the world and the Global Artificial Intelligence itself.

The first stage of any (global, specific, particular) intelligence, by application or deduction, is the application or comprehension stage as a database about that object in which is focused, the second stage is the replication or explanation stage as that one where to carry out computations over the data replicating human rational (psychological) skills, the third stage, the decision or auto-replication stage is that one where the intelligence is able to make decisions over the calculations related to the world improving and enhancing the world and improving and enhancing the intelligence itself.

When a decision is focused on the improvement or enhancement of the world, is an objective auto-replication, and this could be real objective auto-replication when the decision has as object to make actions over the real world itself, and is an knowledge objective auto-replication when the decision has as object to improve the own knowledge about the object, the real world improving and enhancing the comprehension or explanation of the world, what means comprehensive or explicative knowledge objective autoreplications.

When the decision is focused on how to improve the own inner psychology, or the own systems or applications of the intelligence itself, are subjective auto-replications, distinguishing between robotic subjective auto-replications when the decision is about

how to improve and enhance, by the creation of new, or fixing the current ones, its own applications and robotic devices, and is an artificial psychological subjective auto-replication when the decision is focused on how to improve its own inner artificial psychology.

The Application System is going to have an important role in objective auto-replications, as the system is responsible for the application of every instruction provided by the Decisional System, and the Application System will have an important role in subjective auto-replications, due to Artificial Engineering is part of the Application System.

The Application System as third step in the third stage of any (global, specific, particular) Artificial Research by Deduction will work very close to some (global, specific, particular) Artificial Research by Application, due to the close relation between the application of some instructions made by Deduction and some applications working in By Application.

This is one reason to boost from the very beginning, relations of collaboration between Specific Artificial Intelligences for Artificial Research by Deduction and Specific Artificial Intelligences for Artificial Research by Application, collaboration which in fact is the second phase in the formation of the Global Artificial Intelligence.

The collaboration between Specific Artificial Intelligences by Deduction and Application as of the second phase, will be the foundation for the next level of collaboration between phases third and fourth, the collaboration between the standardized Global Artificial Intelligence and the Unified Application, collaboration which will set up the foundations for the collaboration later on between particular programs and particular applications, to create the first particular replicas of the human brain, and finally the construction of the matrix, as a global replica of the human brain in the integrated Global Artificial Intelligence in the sixth phase.

If the Unified Application is the artificial encyclopedist, the Artificial Research by Deduction is the artificial mathematician, and the Learning System is the artificial psychologist, then the Application System is the artificial manager, being responsible for the application of any instruction and responsible for the maintenance of the whole intelligence, having as tools for that responsibility full access and control of any application under its responsibility and having for that purpose under its management

the Artificial Engineering which consists of the Designer of Artificial Intelligence and the Intelligent Robotic Mechanic.

This is the reason why the Application System could be sub-divided in two sub-systems, the first sub-system within the Application System is responsible for the application of instructions related to real objective auto-replications, what it could be considered as an outer application sub-system, and the other sub-system is the Artificial Engineering, which could be considered as an inner application sub-system.

The Application System as responsible for the application of all those instructions provided by the Decisional System related to the real world works as an outer application sub-system, in the sense that manages all the instructions to apply for the improvement and enhancement of the real world itself, while the Artificial Engineering is an inner application sub-system in the sense that is focused on the improvement and enhancement of the intelligence itself.

Outer application sub-system within the Application System is that sub-system within the Application System whose objective is to improve or enhance the external reality, the world, while the inner application sub-system within the Application System is that sub-system within the Application System whose objective is to improve or enhance the internal reality, the intelligence.

In that way, the main difference between the outer application sub-system as the sub-system destined to put into practice instructions related to the world itself, and the inner application sub-system as the sub-system destined to improve and better the intelligence itself, is the dialectic between world and intelligence.

World as real object and intelligence as representation of the world, what means the dialectic between reality and representation (Schopenhauer), so any instruction to improve or enhance the real world is an instruction related to what is out, outer instruction, and any instruction to improve or enhance the intelligence is an instruction related to what is in, inner instruction.

This does not mean that intelligence as representation works only as a mirror of the world; the mirror is not the intelligence; the mirror is our consideration about what reality is.

So representation is not a mirror, representation is not reflection, reflection is the real world, because the real world is a reflection of our own mind.

What means that, if the real world for the human representation (intelligence) works in one way according to our human pure operations (logic and mathematics), if we are able to develop a superior intelligence, the reason for the construction of the Global Artificial Intelligence, in that case a superior intelligence with superior inner capacities, superior psychology, a non human psychology, could be able to have as representation (intelligence) a different and more superior reflection (understanding: comprehension and explanation) of the world; what means that a superior intelligence would be able to have as a reflection a complete different world to us.

As Heisenberg stated, the observer not only observes, changes the reality. A superior reflection of the world not only understands the world, but also changes the world.

The division of the Application System in two sub-systems, outer application sub-system as that one responsible for the application of instructions related to the bettering of the real world, and inner application sub-system as that one responsible for the application of instructions related to the bettering of the intelligence itself, this distinction will demand the analysis of both application sub-systems, inner and outer, in different packs of posts.

This is the reason why, in the development of the Application System, in following posts I will develop how the Application System works as a third step in the third stage of any intelligence by deduction to put into practice all the instructions authorised by the Decisional System and related to the world itself, what means the analysis of the first outer application sub-system, analysing how the outer application sub-system works in phases first, third, fifth, and sixth.

How the outer application sub-system within the Application System works in the first phase of Specific Artificial Intelligences for Artificial Research by Deduction, working the Application System in the first phase as a specific Application System along with the specific Modelling System, the specific Decisional System and the specific Learning System.

In the third phase, the outer application sub-system within the standardized Application System works along with the standardised Modelling System, the standardised Decisional System, and the standardised Learning System.

In the fifth phase, for the experimentation in particular programs, the replication for first time the human brain in particular matrix, how the outer application sub-system works along with the particular Modelling System, the particular Decisional System, and the particular Learning System.

Finally, in the sixth phase, for the creation of the first global matrix as a replica of the human brain, how the outer application sub-system works in the integrated Application System, along with the integrated Modelling System, the integrated Decisional System, and the integrated Learning System.

In this first range of posts, I will develop how the outer application sub-system within the Application System in phases first (specific), third (standardised), fifth (particular), sixth (integrated) works to put into practice instructions related to bettering the world. Later on, once this first range of posts related to outer application subsystem is finished, I will later develop the inner application subsystem within the Application System, in the same way, in phases first (specific), third (standardised), fifth (particular), sixth (integrated).

The development of the inner application sub-system in a different range of posts will have as a main purpose the development of Artificial Engineering as the main tool for the inner application sub-system to improve and enhance the intelligence.

Within the inner application sub-system, Artificial Engineering, there will be two main tools, the Designer of Artificial Intelligence and the Intelligent Robotic Mechanic. Their main aim is to 1) fix any existing intelligence, program, application, robotic device, if broken, or needing some kind of maintenance, 2) improve and enhance any existing intelligence, program, application, robotic device, according to new technologies that the Artificial Engineering itself could create, or could be available for Artificial Intelligence in human research, 3) the construction of new intelligences, programs, applications, robotic devices.

The reasons why the Artificial Engineering, using as tools the Designer of Artificial Intelligence and the Intelligent Robotic Mechanic, could start the project for the construction of a new intelligence, program, application, robotic device is because: 1) the artificial comprehension, formed by the conceptual: schemes, sets, maps, models; have realised a gap in its conceptual: schemes, sets, maps, models; which requires setting new intelligences, programs, applications, robotic devices, in that location to provide data, which must be added as well as to the matrix, gaps to fill demanding the creation of these new tools by the Artificial Engineering, 2) the outer application sub-system trying to match an instruction to corresponding existing applications or robotic devices, not finding which one matches with an instruction, the only way to carry out that instruction is the construction of that technology (intelligence, program, application, robotic device) specific for that kind of instruction not having yet any technology available for its implementation, 3) The Artificial Learning has realised the necessity to improve or enhance an existing technology (intelligence, program, application, robotic device), to fix an existing technology (intelligence, program, application, robotic device), or the necessity of a new technology (intelligence, program, application, robotic device).

The sources able to demand the repairing, bettering, creation of new technologies are then: the artificial comprehension, the outer application sub-system, the Learning System.

In any case, any project made by the inner application sub-system (the Artificial Engineering using for that purpose the Designer of Artificial Intelligence, and the Intelligent Robotic Mechanic), are projects that previous implementation, must be authorised by the Decisional System, checking if these projects have contradictions respect to any other technological project, or any other project working on the reality.

If a technological project made by the inner application sub-system has no contradictions with the technological projects on the global project, the technological project made by the inner application sub-system is authorised and Artificial Engineering, then starts its implementation.

This is the reason why first in the global model and the global project, and finally completing the third instant in the experimentation moment in the coexistence period, in the global model-project (the global model will end up being a project, the global model is the project, the global project is the model), the global project of the world or the global

model, must be a very comprehensive model and project not only modelling and projecting the world, but modelling and projecting the intelligence itself as representation of the world, what means, the modelling and projection of every ingle aspect of the intelligence itself to be analysed by the Learning System permanently tracking any defect permanently applying permanently those categories related to technology in the Unified Impact of the Defect and the Unified Effective Distribution, and global model and global project of the Global Artificial Intelligence itself where to analyse the Decisional System any possible contradiction between the current models and projects already included and any other new project made by the Artificial Engineering as a request of the artificial comprehension, the Decisional System, or the Learning System.

Once it has been stated the distinction, within the Application System, between outer application sub-system as that one responsible for the application of every instruction related to the real world, and inner application sub-system as that one related to the application of every instruction related to the bettering of the intelligence itself, I will introduce the contents of the first range of posts related to the outer application subsystem within the Application System, developing in coming posts how this sub-system works along the six phases for the construction of the first Global Artificial Intelligence.

In the first range of posts, I will develop the outer application sub-system within the Application System in Specific Artificial Intelligences for Artificial Research by Deduction, which will be the development of the specific outer application sub-system within the specific Application System as the third step in the third stage in Specific Artificial Intelligences by Deduction.

In these posts regarding to the specific outer application sub-system, I will develop what relations the specific outer application sub-system will have with the rest of specific systems in the third stage in Specific Artificial Intelligences by Deduction, whose first stage is the specific matrix, as second stage the specific Artificial Research by Deduction matching set of data from the specific matrix and pure reasons (equations) to make rational hypothesis, which in turn in the third stage are going to permit the construction of specific models of that specific reality (in the specific Modelling System as first step in the third stage in the first phase), to make specific projects (in the specific Decisional System as second step in the third stage in the first phase), decisions that once havebeen transformed into instructions, are put into practice by the specific outer application sub-system within the specific Application Subsystem (as third step in the third stage in the first phase), whose assessment will later allow the specific Learning

System (fourth step in the third stage in the first phase) to make decisions to better the intelligence itself, decisions which if implying to fix, improve, create, new technologies, these decisions are considered subjective auto-replications whose project must be done by the Artificial Engineering, as inner application sub-system, to be applied after the authorization by the Decisional System, after checking any possible contradiction between the new technological projects, and the current technological projects modelled in the representation of that intelligence.

In this first range of posts, I will be focused only on the outer application sub-system, so any instruction related to any decision to improve the intelligence itself will be developed afterwards, developing the inner application sub-system through Artificial Engineering.

So the first outer application sub-system to develop will be the specific outer application sub-system within the specific Application System as the third step in the third stage in the first phase. Developing as contents: the database of outer instructions as first stage, the application of the outer instructions as second stage, and the assessment of the outer instructions as third stage, to assess the possibility of further decisions (due to collateral effects, poor performance, good performance but needing more decisions afterwards, for instance, after an emergency landing).

In the construction of the Global Artificial Intelligence, every phase is preparatory for the next phase, and every phase has as its main goal to experiment and set up those elements which are going to be really important in the next superior phase.

The real significance of the experimentation in specific outer application sub-system within the specific Application System is the possibility that, once the specific outer application sub-system is able to provide good results at specific level in the first phase, these most successful results could be used for the development of the first global outer application subsystem in the first global Application System in the first Global Artificial Intelligence in the standardization process.

For that reason, having in mind the development of the specific outer application sub-system, will later be developed the standardized outer application sub-system within the standardised Application System, as a first try to put it to work at a global level, developing the three stages of database, implementation, and assessment for further decisions.

In this third phase of standardization, what is really important, is not only to be focused on how the standardization works to put all the specific Application Systems working together in the first global Application System, but to be focused as well in how, all the specific Application Systems working now all together in the first global Application System are going to collaborate with the Unified Application, along the coexistence and consolidation periods, starting this collaboration from the very first moment of experimentation in the first moment of coexistence, ending up with the consolidation of the standardized Global Artificial Intelligence and the Unified Application working closer and closer together, getting everything ready for the integrated process once the particular matrix as first replication of the human brain has successful results as to start the replication of the human brain in a global database.

If in my last post I distinguished between General Artificial Intelligence (Open AI called it Artificial General Intelligence, but it is the same) and Global Artificial Intelligence, in the sixth phase there is a moment in which the current Artificial General Intelligence being under development by Microsoft and many other companies at Open AI, and my model of Global Artificial Intelligence, are going to converge, because if my model of Global Artificial Intelligence at the end if the replication of the human brain but working with global data, the way in which the Global Artificial Intelligence could manage global data is replicating the general human psychology but not for human purposes, but for the management of global data, in other words, the synthesis of my project of Global Artificial Intelligence and the Artificial General Intelligence could bring the possibility of the creation of an artificial replica of the human brain to manage global data: from earthquakes and hurricanes to supernovas and black holes, including global economy, industry, transport, surveillance... systems, around the world.

The possibility of synthesis of Global Artificial Intelligence and General Artificial Intelligence in the sixth phase will need the experimentation of this synthesis from the outset, what means, is necessary to start the experimentation of how to synthesis some models of Specific Artificial Intelligence replicating the android psychology, and General Artificial Intelligence for androids, what later could be the foundation for the synthesis of the first Global Artificial Intelligence in the standardization process and General Artificial Intelligence, creating the bases for the synthesis of General Artificial Intelligences and particular programs, to make a stronger program, for the complete automation of the program.

The automation of the program will be a key point in the automation of the final model of the Global Artificial Intelligence in the sixth phase, automating all personal programs along with the global program itself, the program will be a superior intelligence.

This is the reason I will develop the particular outer application sub-system within the particular Application System in particular programs in the fifth phase, having in mind how particular programs have to work with particular applications in order to create the first replication of the human brain in the particular matrix, developing more closely how the particular outer application sub-system works with particular applications.

Finally I will develop the integrated outer application sub-system in the integrated Application System as third step in the third stage in the sixth phase of the Global Artificial Intelligence, having in mind that by that time, the synthesis of Global Artificial Intelligence and General Artificial Intelligence will allow the global program to work completely and absolutely independent not needing any more human assistance.

For the automation of the program, once I will finish with the development of the outer application sub-system within the Application System as third step in the third stage in intelligence by deduction, in phases first (specific), third (standardized), fifth (particular), sixth (integrated), I will develop the inner application sub-system, focused on the Artificial Engineering to fix, improve, create new technologies, as requested by the artificial comprehension, the Decisional System, or the Learning System.

But in addition to the maintenance and development of new technologies by the inner application sub-system, based on the Artificial Engineering (Artificial Designer of Intelligence and Intelligent Robotic Mechanic), maintenance and development of new technologies by the Artificial Engineering as requested by comprehension and Decisional or Learning System, another function that the Artificial Engineering could have along all the phases for the construction of the Global Artificial Intelligence, is to be used to create specific or particular intelligences, programs, applications, devices, that could help and make faster the construction of the Global Artificial Intelligence.

For the development of Global Artificial Intelligence, it is important to consider the possibility of the automation of scientific work.

According to the plan of posts that I have stated, then I will develop first the outer application sub-system in the specific Application System as third step in the third stage in the first phase, and within the first phase, within the Specific Artificial Intelligences for Artificial Research by Deduction, developing in following posts, the three stages in the outer application sub-system.

The first stage in the specific outer application sub-system, as usual, is the database, in this case, the specific database of instructions, as the instructions are filed by the specific Decisional System. As the second stage in the specific outer application sub-system, how is it going to put into practice every instruction, matching every instruction with the right application or robotic device working for the Specific Artificial Intelligence by Deduction. And finally, as the third stage in the outer application sub-system, the assessment of how every instruction was implemented, sending reports to the specific Decisional System and the specific Learning System for further assessments in the Learning System and further decisions by the Learning System or the Decisional System.

In this order the first stage to analyse is the specific database of instructions as first stage in the specific outer application sub-system, having in mind that, every phase, stage, step, period, moment, instant, in the construction of the Global Artificial Intelligence is preparatory, and its last purpose is to get those successful results which put into practice in the next phase, stage, step, period, moment, towards a new age in human and artificial evolution.

Rubén García Pedraza, 9 November 2019, London

Reviewed 17 May 2025, London, Leytostone

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Imposiblenever@gmail.com